ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 • (217) 782-2829
James R. Thompson Center, 100 West Randolph, Suite 11-300, Chicago, IL 60601 • (312) 814-6026

PAT QUINN, GOVERNOR DOUGLAS P. SCOTT, DIRECTOR

(217) 524-1663

June 4, 2010

Thomas J. Crosetto
Chief, Emergency Response Section 2
Emergency Response Branch 2
U.S. EPA, Region 5
77 West Jackson Boulevard, SE-5J
Chicago, IL 60604

Re: Nutronics, Inc.
LPC# 1671200054
SF/Tech

Dear Mr. Crosetto:

I am requesting the Region 5 Offices of the United States Environmental Protection Agency (U.S. EPA) assign an On-Scene Coordinator and consider conducting a time-critical removal action at the Nutronics Incorporated (Nutronics) located in Springfield, Sangamon County, Illinois.

The site consists of an abandoned brick building that occupies approximately 8,000 ft^2 located on the north end of Springfield. The former printed circuit board manufacturing facility is bordered by Business-55 (Peoria Road) to the east, East Ridgley Avenue to the south, North 9^{th} Street to the west, and residential properties to the north. An attached map illustrates the location of the site.

On March 17, 2010, Illinois EPA's Springfield Regional Office personnel conducted a RCRA inspection at the abandoned facility. During the inspection, it was noted that vats containing acid were in the former plating room. Other containers included 55-gallon drums, plastic tanks, 15-gallon drums, and smaller containers were also documented to be present throughout the facility. A complete inspection report including an inventory of all containers will be made available to U.S. EPA upon request.

Fifteen samples were collected during the inspection. Several samples exceeded hazardous waste criteria for cadmium, lead, chromium, and selenium. Twelve samples were hazardous for corrosivity due to a low pH, with four samples having a pH of 0 and eight samples with a pH between 0 and 1. One sample had a flashpoint of 71°F. A summary of the analytical data is included in this referral.

As identified during the inspection, the building is in a continuing state of disrepair. There are portions of the roof containing holes that continue to be exposed to the outside environment.

The building is locked and for the time appears to be somewhat secure. Since the area surrounding this abandoned facility is mostly residential, it is important to the state that this site be addressed in a timely manner. The owner of the facility does not appear to have the financial means to dispose of the material left in the building. Due to financial constraints of the state and the inability of the responsible party to remove the material, it is the desire of Illinois EPA to refer this site to U.S. EPA for their consideration of a time-critical removal action.

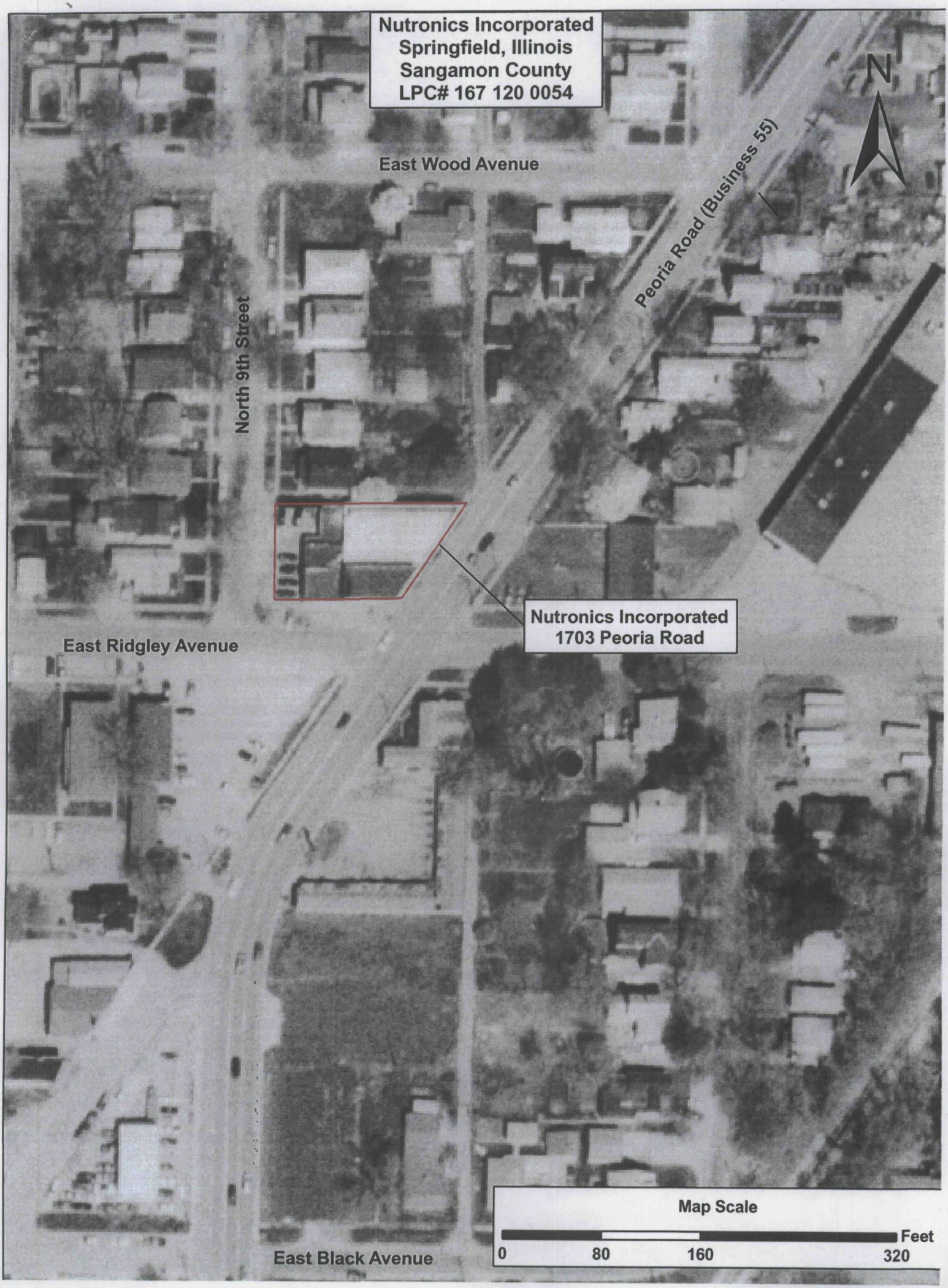
Illinois EPA has compiled a thorough inspection report that includes photographs, laboratory data, summaries of containers, and property ownership information. Illinois EPA requests that a meeting take place as soon as possible in order to share site background information and discuss program objectives. At that time, Illinois EPA will also make available additional file information including the RCRA Inspection Report and other key contact information in the area. Please have your On-Scene Coordinator contact Mark Wagner at (217) 524-1662, or myself, as soon as possible to arrange this meeting.

As always, the Illinois EPA will provide any assistance to U.S. EPA regarding this matter. Thank you for your consideration and we look forward to hearing from U.S. EPA for this and future removal activities.

Sincerely,

Bruce Everetts
Office of Site Evaluation
Division of Remediation Management
Bureau of Land

bcc: Division File, w/ attachments
Mark Wagner, OSE, w/o attachments, via e-mail
Tom Crause, OSE, w/o attachments, via e-mail
David Jansen, FOS – Springfield Region, via e-mail
Michelle Tebrugge, OCR, w/o attachments, via e-mail
Dean Studer, OCR, w/o attachments, via e-mail
Jason El-Zein, U.S. EPA, w/o attachments, via e-mail


Nutronics Incorporated
Springfield, Illinois
Sangamon County
LPC# 167 120 0054
N
East Wood Avenue
Peoria Road (Business 55)
North 9th Street
Nutronics Incorporated
1703 Peoria Road
East Ridgley Avenue
East Black Avenue
Map Scale
Feet
0
80
160
320

LPC # 1671200054 - Sangamon County - Springfield/Nutronics
Table 1
Nutronics Sample and Analytical Summary

Sample #	Sample location and comments	Photo #	~Volume of waste in gallons/ Weight in lbs.	Lab pH/ Haz Waste #	TCLP metal concentration/HazWaste # /Selected Other Results
X201	Vat # 1 in plating room, first compartment west to east	013	88 gal./734 lbs.	**0.02** **D002**	**3.28 ppm cadmium/D006** **57.5 ppm lead/D008**
X202	Vat # 1 in plating room, second compartment west to east	014	55 gal./459 lbs.	**0** **D002**	**2.70 ppm cadmium/D006** **49.8 ppm lead/D008**
X203	Vat # 1 in plating room, third compartment west to east	015	55 gal./459 lbs.	**0.03** **D002**	**2.86 ppm cadmium/D006** **49.9 ppm lead/D008**
X204	Vat # 1 in plating room, fourth compartment west to east	016	51 gal./425 lbs.	**0.01** **D002**	**44.7 ppm lead/D008**
X205	Vat # 1 in plating room, fifth compartment west to east	017	88 gal./734 lbs.	**0** **D002**	**2.86 ppm cadmium/D006** **14.4 ppm chromium/D007** **51.1 ppm lead/D008**
X206	Vat # 2 in plating room, first compartment west to east	019	35 gal./292 lbs.	**0** **D002**	**55.3 ppm lead/D008**
X207	Vat # 2 in plating room, fourth compartment west to east	020	86 gal./717 lbs.	**0** **D002**	**45.9 ppm lead/D008**
X208	Vat # 2 in plating room, fifth compartment west to east	021, 022	86 gal./717 lbs.	**0.03** **D002**	**57.4 ppm lead/D008**
X209	Vat # 3 in plating room	028	533 gal./4,445 lbs.	**0.2** **D002**	**27.5 ppm chromium/D007** **542 ppm lead/D008**
X210	Plastic box at bottom front of copper etching machine	031	10 lbs.	**N/A**	**341,000 ppm copper**
X211	Vat # 4 in storage room	038	100 lbs.	**N/A**	**38,200 ppm copper**
X212	55-gallon drum in storage room labeled, "Tin-Lead Waste"	039, 040	41 gal./342 lbs.	**0.4** **D002**	**1550 ppm lead/D008**

LPC # 1671200054 - Sangamon County - Springfield/Nutronics
Table 1
Nutronics Sample and Analytical Summary

Sample #	Sample location and comments	Photo #	~Volume of waste in gallons/ Weight in lbs.	Lab pH Haz Waste #	TCLP metal concentration/HazWaste # /Selected Other Results
X213	55-gallon drum in storage room labeled "Corrosive"	041, 042	18 gal./150 lbs.	**8.6**	**53 ppm lead/D008**
X214	55-gallon drum in storage room	043	18 gal./150 lbs.	**0.4** **D002**	**516 ppm lead/D008**
X215	Five-gallon bucket in storage room labeled "Flammable" and "Aqua Flo® Activated Infrared Fusing Fluid"	044	4 gal./34 lbs.	**0.6** **D002**	**2.21 ppm selenium/D010** **71° flash point (D001)**
APPROXIMATE TOTALS 1,158 gallons of liquid wastes in sampled containers and tanks = 9,658 lbs. + 110 lbs. of solid wastes in sampled container and tank = **9,768 lbs.**					

Note: The weight for water of 8.34 lbs. per gallon was used to calculate the weight of the liquid wastes that were sampled. The approximate total weight of 9,658 lbs. is for the wastes in the sampled vats and containers only.

The approximate total weight of the un-sampled containers of 5-gallon capacity and larger equals 174 gallons x 8.34 lbs. per gallon = 1,451 lbs. + 195 lbs of solids, = 1,646 lbs.

Therefore, the approximate **total weight** of the wastes in sampled containers and tanks, and of un-sampled containers of 5-gallon capacity and larger = 9,768 + 1,646 = **11,414 lbs.**

The volumes and weights of wastes in numerous containers smaller than five gallons were not estimated.